

Low-floor tram *VarioLF plus*

The KOMFORT plus bogie

Conception

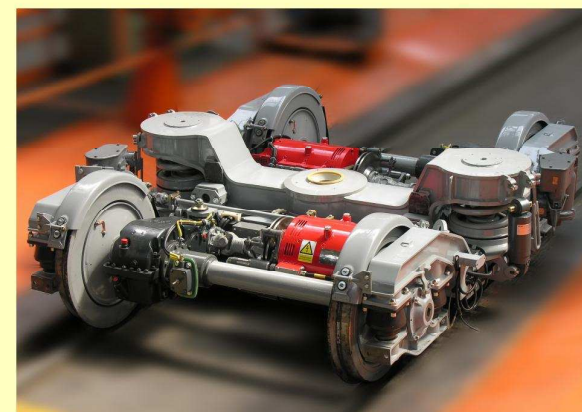
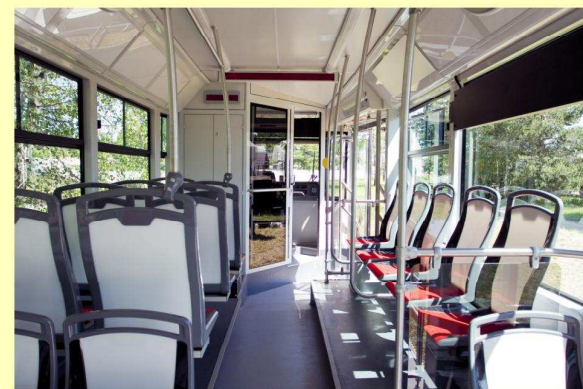
- Fully pivoted bogie
- Primary and secondary suspension
- Wheels \varnothing 700 mm
- Inheritance of elements
- Electromechanical brakes

Chatacteristics

- Minimizing of the negative effects on the railroad track
- Reducing of the wheel and rail top wastage
- High limit of the kilometrical overspeed into the reprofilation
- Low noisiness of the tram
- High quality number of the operation W_z
- High level of safety against the derailment

Effects

- Optimization of direct and indirect operating costs
- Increased marginal lifetime of wheels and rails
- Fulfilling of the hygienic and environmental requirements for operation
- Ensuring the safety and comfort of travel
- Favourable economic parameters



reasonable choice



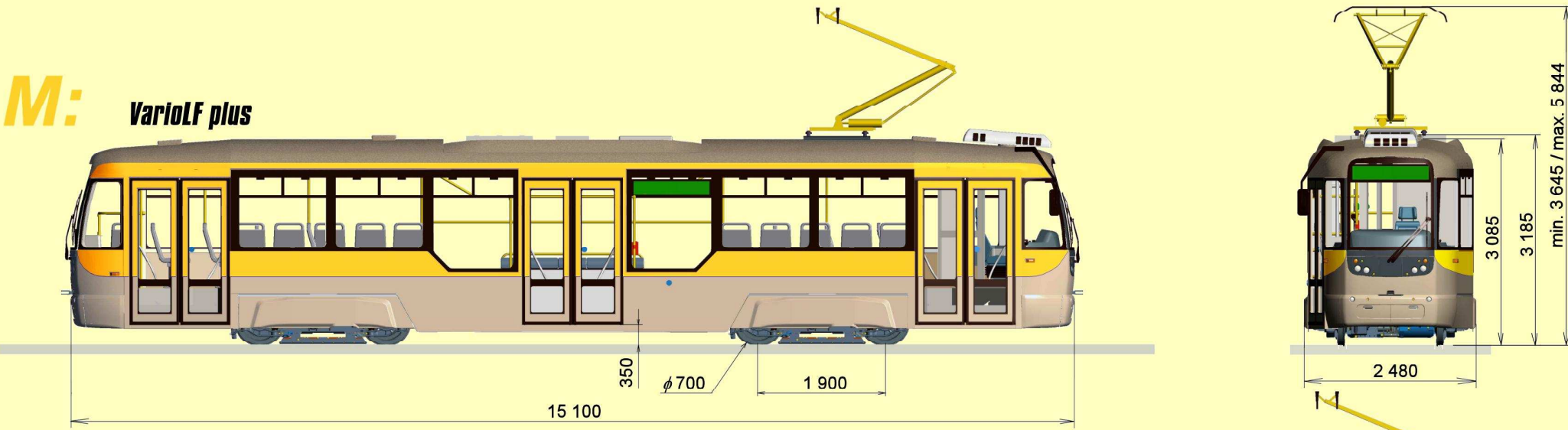
VarioLF plus

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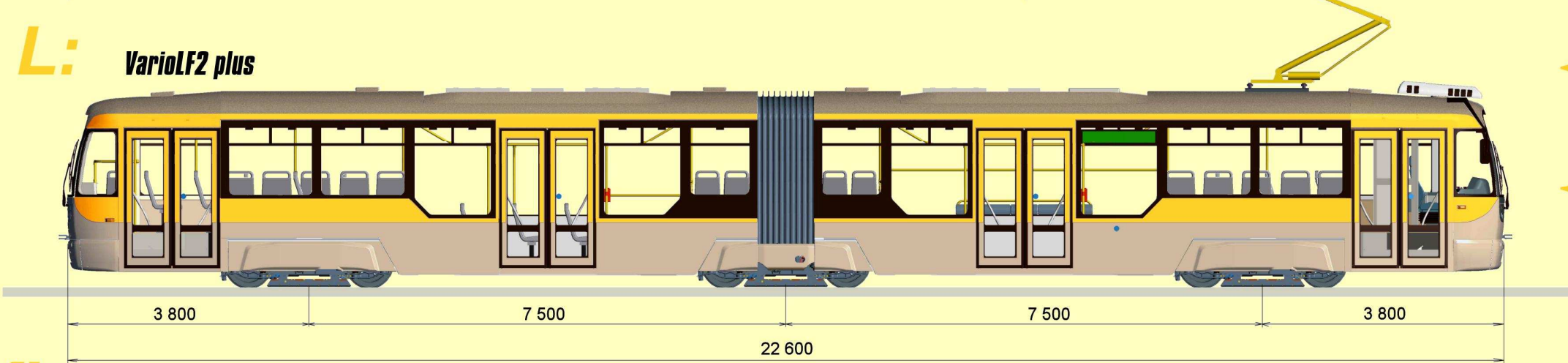
Pragoimex
KRNOVSKÉ OPRAVNÝ
A STROJIRNY
WKV Praha
S. R. O.

Low-floor trams **Vario plus** *Green way* Combination of top output and effective investment

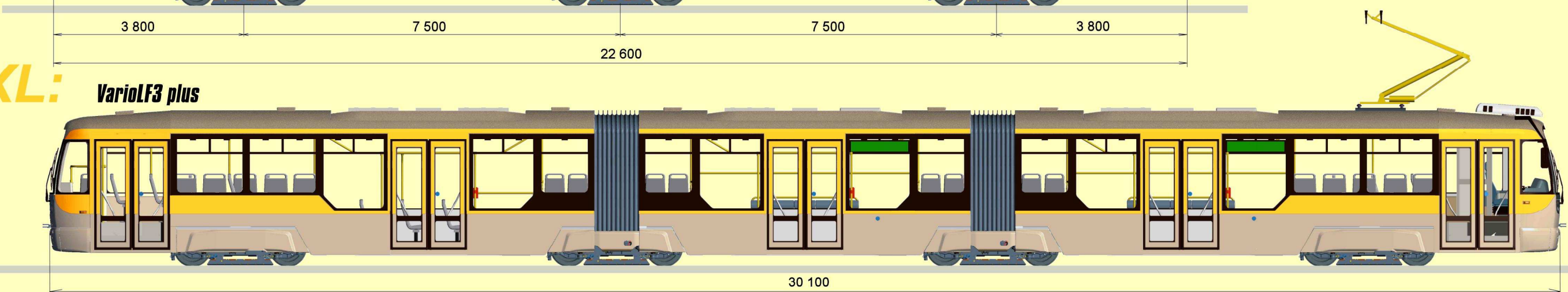
M: *VarioLF plus*



L: *VarioLF2 plus*



XL: *VarioLF3 plus*



XXL: *VarioLF4 plus*



more options

more comfort

more savings

more variability

more unification

Specification

	VarioLF ⁺	VarioLF2 ⁺	VarioLF3 ⁺	VarioLF4 ⁺
gauge (mm)	1 435/1 524	1 435/1 524	1 435/1 524	1 435/1 524
number of sections (pcs)	1	2	3	4
length of tram (mm)	15 100	22 600	30 100	37 600
maximum width of vehicle (mm)	2 480	2 480	2 480	2 480
number of driven pivoted bogies (pcs)	2	3	4	4
number of non-driven pivoted bogies (pcs)	0	0	0	1
bogie type	Bo'Bo'	Bo'Bo'Bo'	Bo'Bo'Bo'Bo'	Bo'Bo'2'Bo'Bo'
max/min wheel diameter (mm)	700/590	700/590	700/590	700/590
min. curve radius (m)	18	18	18	18
floor of vehicles above the track (mm)	350/650	350/650	350/650	350/650
share of low floor (%)	36	43	50	61
number of doors (pcs)	3	4	5	6
seatings (pcs)	33+2 fold-down seats	50+2 fold-down seats	61	82
number of standing pass. (8 pass/m ²)	117	182	250	308
max.occupancy	150	232	311	390
weight of empty car (kg)	21 200	30 000	41 650	50 550
weight by max. occupancy (8 pass./m ²) (kg)	31 560	46 240	63 420	77 850
axle load (8 pers./m ²) (kg)	7 950	7 800	7 950	7 950
traction tension (V)	600/750	600/750	600/750	600/750
transfer of traction power	AC	AC	AC	AC
brake control	electromechanic			
installed motor output (kW)	4 x 80	6 x 80	8 x 80	8 x 80
traction motors	Closed air-cooled of type TAM 1003 C/R			
max. speed (km/hr)	65	65	65	65

Let's go on...